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Datasheet for ABIN6940937

Recombinant anti-VTCN1 antibody

4 Images

Overview

Quantity:	100 µg
Target:	VTCN1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This VTCN1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	A recombinant fragment of human B7-H4 protein (exact sequence is proprietary)
Clone:	B7H4-2652R
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	VTCN1
Alternative Name:	VTCN1 (VTCN1 Products)
Background:	T cell activation and immune function are regulated by the innate immune system through

Target Details

positive and negative costimulatory proteins. One such protein, B7-H4 (B7-homolog 4), belongs to the B7 immunoglobulin superfamily of ligand-lymphocyte interacting proteins. Expressed primarily on the membrane of lymphoid cells, B7-H4 is an immuno-inhibitory protein that interacts with receptors on the surface of T lymphocytes, thus mediating cellular and humoral immune responses. Overexpression of the B7-H4 protein is associated with certain malignancies, including ovarian and breast cancer, as its interaction with T cells suppresses tumor-associated immunity. Current research suggests that, similar to Mucin 16 (CA-125), B7-H4 may be a useful biomarker for the early detection of ovarian cancer.

Molecular Weight: 35kDa

Gene ID: 79679

UniProt: [Q7Z7D3](#)

Application Details

Application Notes: Positive Control: HeLa, SKBr-3, MCF-7 cells. Ovary, Pancreas, Placenta or Spleen.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Flow Cytometry (1-2 µg/million cells in 0.1ml), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

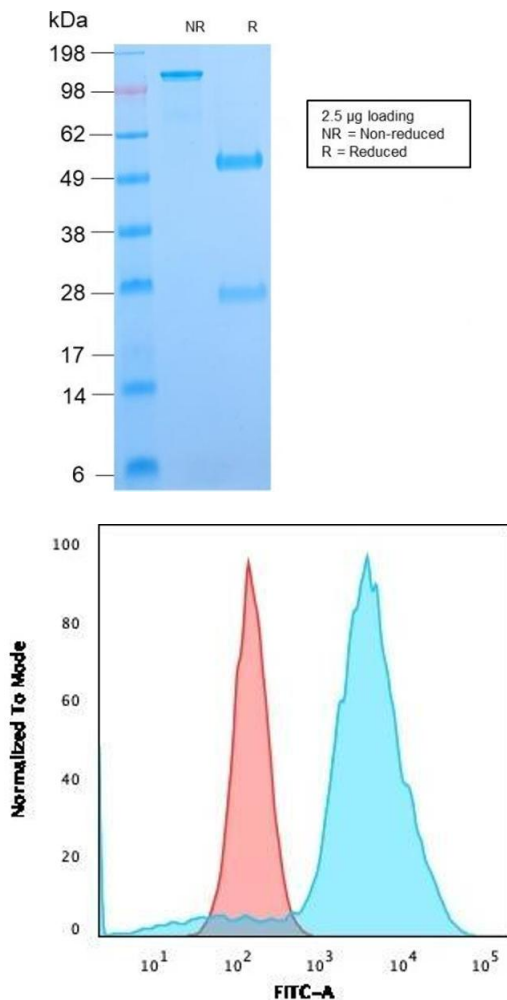
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

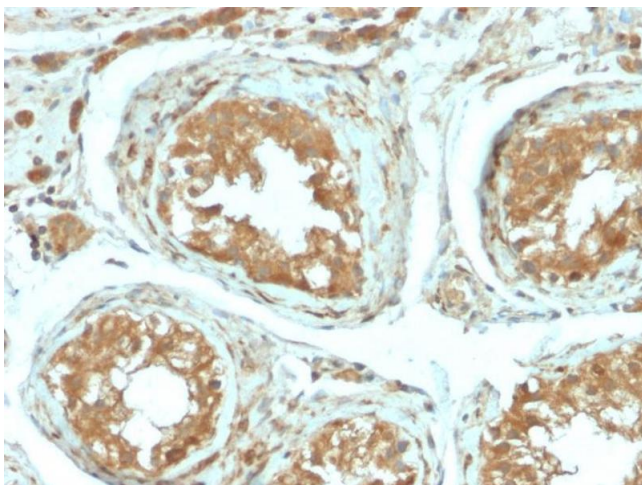


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified B7-H4 Rabbit Recombinant Monoclonal Antibody (B7H4/2652R). Confirmation of Integrity and Purity of Antibody.

Flow Cytometry

Image 2. Flow Cytometric Analysis of SKBR-3 cells using B7-H4 Rabbit Recombinant Monoclonal Antibody (B7H4/2652R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with B7-H4 Rabbit Recombinant Monoclonal Antibody (B7H4/2652R).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940937.